ABSTRACT

An apparatus for heating a liquid comprising a housing having an internal chamber and a rotor disposed in said chamber. A drive shaft rotatably supported in the housing and extending into said chamber for imparting mechanical energy to the rotor. The rotor being provided with a series of openings generally arranged to be parallel to the rotational axis of the drive shaft. The rotor in the form of a disc and the housing formed with radial surfaces on either side of said rotor disc. The rotor may comprise a single disc or alternatively, a series of dics in a liminated formation. A fluid intake passage in said housing preferably arranged adjacent the center of the disc and a fluid exit passage, generally arranged to be circumeferntially outwards of said disc.